

COMMENCEMENT

NORTH DAKOTA STATE UNIVERSITY

WINTER 2022



# SOCIAL MEDIA GUIDE

Join the virtual commencement celebration on social media.

Be sure to tag NDSU and use the hashtag #NDSUGrad in your posts.

Also feel free to share our updates from the following platforms:

## **Facebook**

Post to your own timeline and use #NDSU.

## **Twitter**

Our handle is @NDSU.

## **Instagram**

You can find us under "North Dakota State University."

Congratulations to all #NDSUGrads. You have achieved your goal of earning a degree and we wish you the very best in the future! Thank you for being part of the commencement conversation on social media. #NDSUGrad

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THIS PROGRAM IS NOT AN OFFICIAL GRADUATION LIST.  
(REFER TO SPRING 2022 PROGRAM)

While every effort is made to ensure accuracy in this Commencement program, deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This program, therefore, should not be used to determine a student's academic or degree status. The university's official registry for conferral of degrees is the student's permanent academic record, kept by the Office of Registration and Records.



# NDSU NORTH DAKOTA STATE UNIVERSITY

WINTER COMMENCEMENT  
DECEMBER 16, 2022

President David Cook presiding

**PROCESSIONAL** ..... POMP AND CIRCUMSTANCE, EDWARD ELGAR  
North Dakota State University Brass Ensemble  
Dr. Jeremy Brekke, Conductor

**PRESENTATION OF THE COLORS** ..... NDSU AIR FORCE AND ARMY ROTC BATTALION

**THE NATIONAL ANTHEM** ..... THE STAR-SPANGLED BANNER, FRANCIS SCOTT KEY  
North Dakota State University Brass Ensemble  
Dr. Jeremy Brekke, Conductor  
*2 p.m. Seth Brandl  
5 p.m. Sophie Lind*

*Please remove your caps and remain standing until after the singing of the National Anthem.*

**WELCOME AND REMARKS** ..... PRESIDENT COOK

**INTRODUCTION OF STUDENT SPEAKER** ..... DEAN MICHAEL KESSLER  
College of Engineering  
*2 p.m. ceremony*  
INTERIM DEAN ALAN KALLMEYER  
College of Business  
*5 p.m. ceremony*

**STUDENT ADDRESS** ..... JUSTIN LESTER  
Graduating Class Representative  
*2 p.m. ceremony*  
HALEY HELMIN  
Graduating Class Representative  
*5 p.m. ceremony*

<b>PRESENTATION OF CANDIDATES FOR DEGREES</b>	.....INTERIM PROVOST DAVID BERTOLINI
<b>CONFERRAL OF DEGREES</b>	.....PRESIDENT COOK
<b>PRESENTATION OF COLLEGES</b>	
<b>2 P.M.</b>	
Graduate and Interdisciplinary Studies .....	..... Dean Susan Sell
Arts, Humanities and Social Sciences .....	..... Associate Dean Carrie Anne Platt
Engineering .....	..... Dean Michael Kessler
Human Sciences and Education .....	..... Dean Ron Werner-Wilson
<b>5 P.M.</b>	
Agriculture, Food Systems, and Natural Resources....	Vice President, Dean and Director Greg Lardy
Business .....	..... Interim Dean Alan Kallmeyer
Health Professions .....	..... Dean Charles Peterson
Science and Mathematics.....	..... Chair Mark Nawrot
<b>CLOSING REMARKS</b>	.....PRESIDENT COOK
<b>NDSU SCHOOL SONG</b>	..... THE YELLOW AND THE GREEN, MINARD-PUTNAM
	2 p.m. Seth Brandl
	5 p.m. Sophie Lind
<b>RECESSATIONAL</b>	..... THE CROWNING GLORY, ALFRED REED
	North Dakota State University Brass Ensemble
	Dr. Jeremy Brekke, Conductor

*Please remain seated until the recessional concludes.*

# CLASS REPRESENTATIVE

## **Justin Lester** 2 P.M. CEREMONY

Lester is receiving his Bachelor of Science in agricultural and biosystems engineering. Highly active as a student, he participated in the Engineering Ambassadors, Grand Challenge Scholars Program and Alpha Epsilon Honor Society. Lester also was a group leader for Welcome Week; conducted undergraduate research with Xinhua Jia, professor of agricultural and biosystems engineering; and was part of the Engineering Leadership Learning Community during his freshman year. He received several scholarships, including the M. Bon Memorial Scholarship, Carl and Marilyn Thoreson Engineering Scholarship and F.A. Bon Memorial Scholarship. Following graduation, Lester has accepted a position with the development services group of Kimley-Horn, St. Paul, Minnesota, where he interned this past summer. A native of Buffalo, Minnesota, he is the son of Tom and Janelle Lester.

## **Haley Helmin** 5 P.M. CEREMONY

Helmin is receiving her Bachelor of Science in accounting. An active community volunteer, she established and is president of Ally's Wings, a non-profit organization to combat childhood cancer. Helmin was Miss Teen United States 2020 and Miss Fargo USA 2022, finishing second runner-up to Miss North Dakota USA. During her collegiate career, she was a member of the NDSU Accounting Club. Following graduation, Helmin will be an auditor for the political subdivision of the North Dakota State Auditor's Office. She plans to sit for the CPA exam and eventually would like to be an accountant with the FBI. A native of Brainerd, Minnesota, she is the daughter of Kyle and Amanda Helmin.

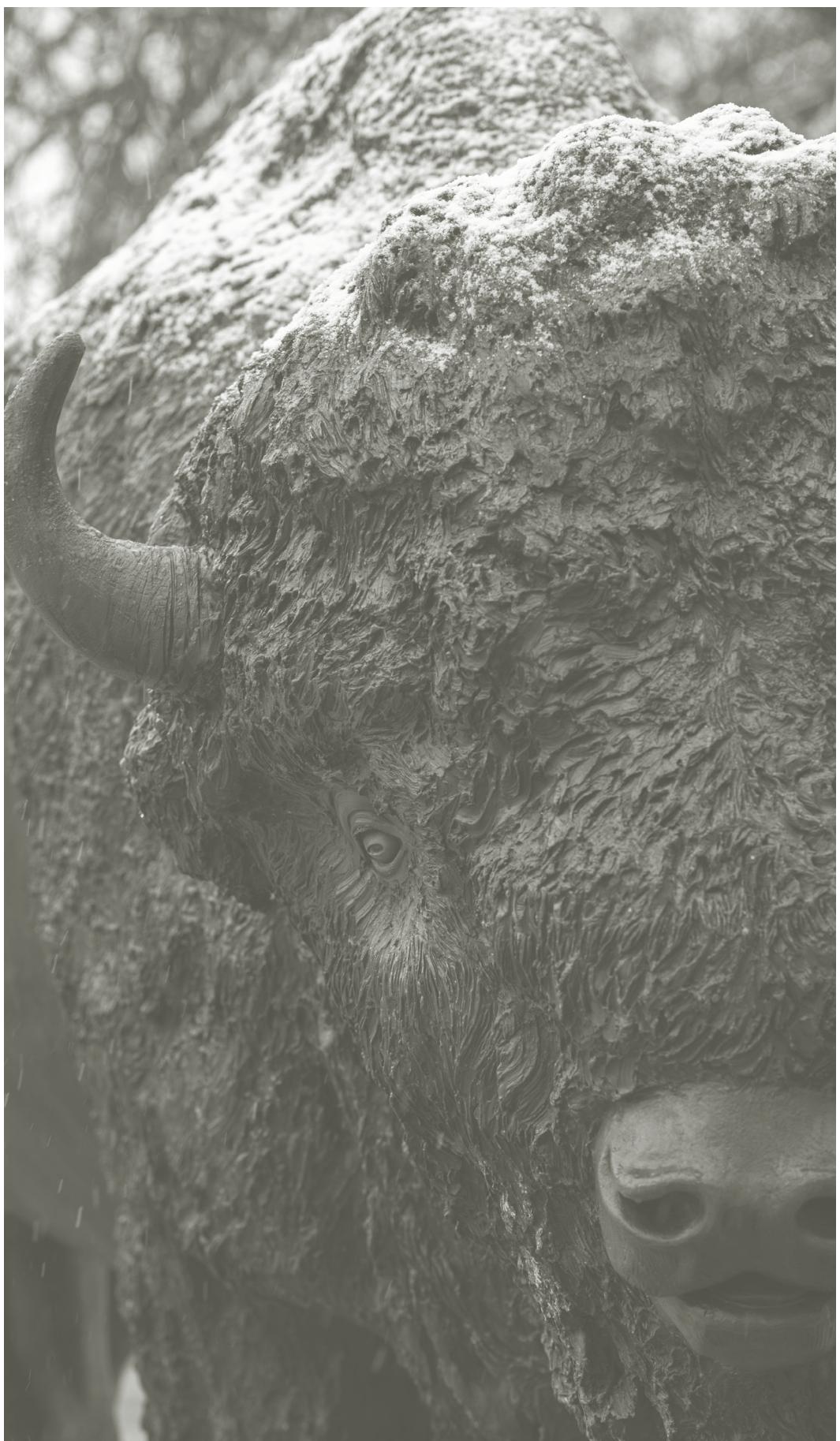
# Soloist

## **Seth Brandl** 2 P.M. CEREMONY

Seth Brandl, a music major from Grand Forks, North Dakota, is earning his Bachelor of Music in vocal music education. At NDSU, he has been involved in multiple choral ensembles, including NDSU Concert Choir, Madrigal Singers, Bison Arts Singers and several recital choirs. He has performed leading and ensemble roles in numerous NDSU Opera and Theatre NDSU productions including, most recently, Dr. Bartolo in "Le nozze di Figaro" and Dr. Jekyll and Mr. Hyde in "Jekyll & Hyde." Brandl is a member of the NDSU Challey School of Music Student Council and NDSU's chapter of the Blue Key national honor society. He has studied voice under Mariane Lemieux-Wotrich, adjunct faculty in the Challey School of Music, and Kelly Burns, assistant professor in the Challey School of Music. His career goals are to teach high school choir and work professionally in musical theatre productions.

## **Sophie Lind** 5 P.M. CEREMONY

Sophie Lind, a music major from Mandan, North Dakota, is earning her Bachelor of Science in vocal music. At NDSU, she has been active in the NDSU Concert Choir, Madrigal Singers, Bison Arts Singers, NDSU Lab Jazz Band and several recital choirs and jazz combos. Lind has been involved with Bison Ambassadors, NDSU's chapter of the American Choral Directors Association, National Association for Music Education and the NDSU Hacky Sack Club. She studied under Kelly Burns, professor of voice in the Challey School of Music. Her career goals are to work professionally in the music industry as a concert promoter or talent buyer.



# COLLEGE OF GRADUATE AND INTERDISCIPLINARY STUDIES

Candidates will be presented by Dean Susan Sell and marshaled by Dr. Katie Reindl and student marshal Jenna Duttenhefner.

## DOCTOR OF PHILOSOPHY

### **Ashish N. Christopher** *Food Safety*

“Synergistic Bioactive Enhancement of Phytochemical-linked Food Safety Relevant and Health Protective Benefits of Select Plant-Based Foods and By-Products”

Advisor: Dr. Kalidas Shetty

### **Raj S. Hazra** *Materials and Nanotechnology*

“Designing Smart Polymeric Structure and Its Diverse Applications”

Advisors: Dr. Long Jiang and Dr. Mohiuddin Quadir

### **Kui Hu** *Environmental and Conservation Sciences*

“Evaluating Climate Change Effects on Prairie Pothole Wetland Ecosystems Using Limnological and Paleolimnological Methods”

Advisors: Dr. Jon Sweetman and Dr. Craig Stockwell

### **Krishna C. Kundu** *Materials and Nanotechnology*

“Enhanced Bone Tissue Regeneration Enabled With Tissue-engineered Interlocking Nanoclay Scaffolds and Bone Morphogenic Proteins”

Advisor: Dr. Kalpana Katti

### **Justin M. Waraniak** *Environmental and Conservation Science*

“Conservation Genetics of Northern Leopard Frog (*Rana pipiens*) in the Upper Great Plains: Phylogeography, Connectivity, and Local Adaptation”

Advisor: Dr. Craig Stockwell

## MASTER OF SCIENCE

### **David Adeleke**

*Genomics, Phenomics and Bioinformatics*

### **Morgan S. Donaldson**

*Environmental and Conservation Sciences*

### **Sara S. Gibbs Schnucker**

*Environmental and Conservation Sciences*

### **Jess L. Loeffler**

*Environmental and Conservation Sciences*

# COLLEGE OF AGRICULTURE, FOOD SYSTEMS, AND NATURAL RESOURCES

Candidates will be presented by Dean Gregory Lardy and marshaled by Dr. Todd West and student marshal Mariah Mayer.

## DOCTOR OF PHILOSOPHY

### **Abdullah F. Alhashel** *Plant Pathology*

“Genetic Characterization and Engineering of Disease Resistance to Spot Form Net Blotch and Fusarium Head Blight in Barley”

Advisor: Dr. Thomas Baldwin

### **Friederike Waltraud Mechtilde Baumgaertner**

#### *Animal Sciences*

“Effects of Supplementation During Gestation on Performance and Reproductive Parameters in Beef Heifers and Their Offspring”

Advisor: Dr. Kevin Sedivec

### **Md Ziaur Rahman Bhuiyan** *Plant Pathology*

“Management of Major Diseases of Sugar Beet”

Advisor: Dr. Mohamed Khan

### **Stacie L. Blue** *Natural Resources Management*

“Plant Blindness Represents the Loss of Generational Knowledge and Cultural Identity”

Advisors: Dr. Shawn DeKeyser and Dr. Christina Hargiss

### **Haiyang Jiang** *Cereal Science*

“Understanding the Mechanisms of Essential Oil Nanoemulsions to Inhibit Fusarium Growth and Mycotoxin Production in Cereal”

Advisor: Dr. Jiajia Rao

### **Alexander H. Knudson** *Entomology*

“A Phylogenetic Analysis and Revision of the Teleonemia Costa Generic Complex (Hemiptera: Heteroptera: Tingidae)”

Advisors: Dr David Rider and Dr. Janet Knodel

### **Runhao Wang** *Plant Sciences*

“Genetic Dissection and Improvement of Fusarium Head Blight Resistance in Durum Wheat”

Advisor: Dr. Xuehui Li

## MASTER OF NATURAL RESOURCES MANAGEMENT

### **Carla J. Abel-Nies**

### **Chase M. Christopherson**

### **Katherine A. Millette**

## MASTER OF SCIENCE

### **Bismark Asante**

*Agribusiness and Applied Economics*

### **James M. Bjerve**

*Plant Sciences*

### **Shaina Bullock**

*Agribusiness and Applied Economics*

### **Molua Lisinge Edmond Loni**

*Agribusiness and Applied Economics*

### **Annie Ikwambe Inokoh Efeti**

*Agribusiness and Applied Economics*

### **Lena Fiskness**

*Horticulture*

### **Proma Sen Gupta**

*Agribusiness and Applied Economics*

### **Amber L. Hermanson**

*Horticulture*

### **Jennifer Hurlbert**

*Animal Sciences*

### **Conner Jensen**

*Agribusiness and Applied Economics*

### **Ela Jusino Montalvo**

*Plant Sciences*

### **Jose Diego Montoro Bais**

*Plant Sciences*

### **Katie L. Nelson**

*Plant Pathology*

### **McKayla A. Neubauer**

*Plant Sciences*

### **Hannah M. Ohm**

*Soil Science*

### **Neil A. Olson**

*Plant Sciences*

### **Annalie R. Peterson**

*Soil Science*

### **Zachary A. Pull**

*Plant Sciences*

### **Rajapakshale Arunika D. Rajapaksha**

*Cereal Science*

### **Hunter D. Ripplinger**

*Soil Science*

### **Kevin P. Rue**

*Plant Sciences*

### **Brian C. Smart**

*Plant Sciences*

### **Jenna N. Steffes**

*Plant Sciences*

### **Jeffery K. Stith**

*Plant Sciences*

### **Faria Tabassum**

*Agribusiness and Applied Economics*

### **Haley L. Visto**

*Plant Sciences*

## BACHELOR OF ARTS

**Awale A. Nur**  
*Economics*

## BACHELOR OF SCIENCE

- **Adam Aberle**  
*Crop and Weed Sciences*
- Madison L. Ahlbrecht**  
*Crop and Weed Sciences*
- **Kya J. Anderson**  
*Agribusiness*
- **Travis R. Anderson**  
*Crop and Weed Sciences*
- Elizabeth K. Bannerman**  
*Animal Science*
- **Allison E. Bargmann**  
*Natural Resources Management*
- Hunter P. Barth**  
*Biotechnology*
- **Kendra P. Beck**  
*Veterinary Technology*
- **Jack H. Bin fet**  
*Economics*
- Jack Blevins**  
*Horticulture*
- **Charles M. Boldingh**  
*Agricultural Economics*
- **Mindee R. Boyce**  
*Crop and Weed Sciences*
- Logan J. Braun**  
*Horticulture*
- Emily E. Cortes**  
*Microbiology*
- **Maggie M. Cronk**  
*Animal Science*
- Mason E. Dubord**  
*Biotechnology*
- Westen J. Ellingson**  
*General Agriculture*
- **Aubrey L. Ericksen**  
*Animal Science*
- Brock Erickson**  
*Agricultural Economics*
- **Tyler J. Erickson**  
*Agricultural Economics*
- **Hunter M. Fjerstad**  
*Animal Science*
- **Hunter L. Frederick**  
*Agricultural Systems Management*
- Casey W. Gohmann**  
*Agribusiness*
- **Cassidy Graham**  
*Animal Science*
- Kayla M. Grotheer**  
*Animal Science*
- **Collin A. Grotte**  
*Crop and Weed Sciences*
- **Alison Guzik**  
*Natural Resources Management*
- Claire A. Handke**  
*Crop and Weed Sciences*
- **Kaycee B. Herring**  
*Animal Science*
- Megan Hodnefield**  
*Natural Resources Management*
- Darin W. Horner**  
*Crop and Weed Sciences*
- **Julia R. Human**  
*Animal Science*
- **Zach E. Johnson**  
*Economics*
- Madison R. Kamstra**  
*Animal Science*
- Hannah A. Kieffer**  
*Veterinary Technology*
- **Rachel Klose**  
*General Agriculture*
- **Elizabeth N. Knutson**  
*Horticulture*
- Connor D. Lambert**  
*Crop and Weed Sciences*
- Oliver Lee**  
*Agricultural Economics*
- **Finn Lepper**  
*Natural Resources Management*
- Tyler J. Linneman**  
*Crop and Weed Sciences*

- Katherine Mastey  
*Animal Science*
- Axel C. McKinven  
*Precision Agriculture*
- Barry J. McRaith  
*Natural Resources Management*
- Tara R. Mehlhoff  
*Animal Science*
- Samuel J. Meidinger  
*Economics*
- Alexis K. Middlestead  
*Crop and Weed Sciences*
- Emma A. Mitchell  
*Crop and Weed Sciences*
- Luke R. Mitchell  
*General Agriculture*
- Dalton B. Moberg  
*Agricultural Economics*
- Graham Moberg  
*Microbiology*
- Kalin A. Mogen  
*Agricultural Economics*  
*Precision Agriculture*
- Kordell D. Myers  
*Agricultural Systems Management*
- Elijah C. Nelson  
*Natural Resources Management*
- Caitelyn M. Nguyen  
*Equine Science*
- Sierra Nguyen  
*Microbiology*
- Katherine A. Osborne  
*Economics*
- Morgan Paulson  
*Economics*
- Hunter J. Pederson  
*Agribusiness*
- Taylor Pennington  
*Biotechnology*
- Trent T. Peterson  
*Crop and Weed Sciences*
- Caleb K. Prigge  
*Agribusiness*
- Nicholas S. Reck  
*Economics*
- Jason M. Schaub  
*Biotechnology*
- Malery Selberg  
*Animal Science*
- Noah B. Steffl  
*Crop and Weed Sciences*
- Devin R. Stenerson  
*Agricultural Economics*
- Mark T. Stumpf  
*Natural Resources Management*
- Kaleb S. Sydnes  
*Precision Agriculture*
- Camryn S. Thom  
*Veterinary Technology*
- Ryan D. Todd  
*Natural Resources Management*
- Kyle R. Triebold  
*General Agriculture*
- Josephine Van Dyke  
*Veterinary Technology*
- Noah W. Versaevel  
*Agribusiness*
- Cassidy C. Voeltz  
*Natural Resources Management*
- Aaron R. Voigt  
*General Agriculture*
- Philip Walking Elk  
*Agribusiness*
- Michael D. Wall  
*Agricultural Economics*
- Malachi D. Walters  
*Natural Resources Management*

# COLLEGE OF ARTS, HUMANITIES AND SOCIAL SCIENCES

Candidates will be presented by Associate Dean Carrie Anne Platt and marshaled by Dr. Ashley Baggett and student marshal Alexis Prisinzano.

## DOCTOR OF MUSICAL ARTS

### **Catherine M. Tlusty** *Music*

“Championing the Lives and Works of American Women Artists: A Performance Guide to Libby Larsen’s Song Cycle Mary Cassatt (1844-1926): Seven Songs for Mezzo-Soprano, Solo Trombone, and Orchestra (with 15 Projections of Cassatt’s Paintings) (1994)”

Advisor: Dr. John Miller

## DOCTOR OF PHILOSOPHY

### **Peter G. Lindmark** *Communication*

“Player Personality Traits as a Predictor of Character Selection”

Advisor: Dr. David Westerman

## MASTER OF ARTS

### **Stefanie M. Aulner**

*History*

### **Halah K. Jost-Mahunik**

*Communication*

### **Isaac J. Sullivan**

*English*

## MASTER OF MUSIC

### **Carissa B. Anderson**

*Music*

### **Andria A. Hart**

*Music*

### **Madelyn E. Potucek**

*Music*

## MASTER OF SCIENCE

### **Elyse M. Anderson**

*Criminal Justice Administration*

### **Faith Daniel**

*Sociology*

### **Dominic J. Davis**

*Criminal Justice Administration*

### **Sheena M. Luten**

*Community Development*

### **Kamal Kumar Nepali**

*Sociology*

### **Grete A. Oanes**

*Emergency Management*

### **Alexis R. Schmitz**

*Criminal Justice Administration*

### **Ashley C. Zidon**

*Community Development*

## BACHELOR OF ARTS

### • **Katrina L. Dietz**

*Spanish*

### • **Kennedy J. Fields**

*English*

*International Studies*

### •• **Kalirae L. Garcia**

*English*

### •• **Alison S. Klindworth**

*Criminal Justice*

**Hannah R. Slater**

*English*

## BACHELOR OF FINE ARTS

### **Jay T. Lewison**

*Art*

**Karine N. Otteson**

*Theatre Arts*

### •• **Babylyne F. Sanchez**

*Art*

### •• **Kyler Q. Smith**

*Theatre Arts*

## BACHELOR OF MUSIC

- **Seth T. Brandl**  
*Music*
- **Sewit T. Eskinder**  
*Music*
- **Jared W. Hartl**  
*Music*
- **Julie P. Ly**  
*Music*
- **Cameron C. Solberg**  
*Music*

## BACHELOR OF SCIENCE

- **John W. Aird**  
*Criminal Justice*
- **Kellie C. Anderson**  
*Criminal Justice*
- Samuel C. Anderson**  
*Sociology*
- Savanna R. Bauer**  
*Criminal Justice*  
*Political Science*
- **Kristen M. Boguslawski**  
*Criminal Justice*  
*Psychology*
- Jakob N. Borud**  
*Political Science*
- Payton M. Brandenburg**  
*Criminal Justice*
- Krysten N. Bratlie**  
*Management Communication*
- **Zachary D. Cullen**  
*Political Science*
- Braden J. Culp**  
*Criminal Justice*
- Nathan S. Dirkes**  
*Management Communication*
- Nicholas P. Doll**  
*Emergency Management*
- Brady M. Donarski**  
*Criminal Justice*
- Samantha P. Erickson**  
*Criminal Justice*
- Sherie Fauvor**  
*History*  
*Public History*
- Ryan Z. Ferguson**  
*Emergency Management*
- **Jason Fincel**  
*Political Science*
- Chelsea J. Galbreth**  
*Criminal Justice*
- Jacob R. Hanneman**  
*Criminal Justice*
- Andrew J. Haugland**  
*Journalism*
- **Danielle L. Helland**  
*Agricultural Communication*
- **Parker D. Hoffman**  
*Criminal Justice*
- **Sigrid Jewett**  
*Political Science*
- Kasidy R. Justen**  
*Philosophy/Ethics*
- **Adam G. Klepetka**  
*English*
- **Alissa K. Knudson**  
*Journalism*  
*History*
- **Olivia A. Larson**  
*Criminal Justice*
- **Sophie E. Lind**  
*Music*
- Anna I. Lund**  
*Art*  
*Apparel, Retail Merchandising and Design*
- Cameron J. MacNabb**  
*Strategic Communication*
- Charles McGivern**  
*Management Communication*
- **Amber N. McGrath**  
*Criminal Justice*
- Alyea Miller**  
*Public History*  
*History*
- Cameron P. Miller**  
*Emergency Management*
- **Alyson E. Murphy**  
*Art Education*
- **Maya J. Nash**  
*Political Science*
- **Abigail Neisen**  
*Women and Gender Studies*
- **Emily V. Nouv**  
*English*
- Jace A. Olson**  
*English*

**Destinee M. Petsinger**  
*Criminal Justice*

- **Owen W. Piehl**  
*Strategic Communication*
- **Ian Rich**  
*Strategic Communication*
- Monica R. Robinson**  
*Theatre Arts*  
*Women and Gender Studies*
- Samantha J. Roehrich**  
*Criminal Justice*
- Natalia T. Schack**  
*Strategic Communication*
- **Justine L. Schmidt**  
*Women and Gender Studies*  
*Human Development and Family Sciences*
- Marie Speakman**  
*Strategic Communication*
- **Alexander W. Staricka**  
*Strategic Communication*
- **James P. Tabert**  
*Criminal Justice*
- **Alyssa A. Trosen**  
*Strategic Communication*
- Jessica R. Utke**  
*English*
- Mikhail R. Wicker**  
*Emergency Management*
- Jack H. Wilson**  
*Criminal Justice*
- Naomi O. Witherspoon**  
*Political Science*
- **Brynn M. Wznick**  
*Strategic Communication*
- Brayden T. Zenker**  
*Strategic Communication*

BACHELOR OF SCIENCE  
IN ARCHITECTURE  
Ellie M. Lucas

BACHELOR OF UNIVERSITY STUDIES

- Shuhub N. Ali**
- Samantha L. Banal**
- Garrett M. Busker**
- Nicholas K. Chisholm**
- **Caitlin R. Covington**
- Makaela K. Crutchfield**
- Catherine M. Day**
- Emmett C. Diede**
- Dalton J. Folkema**
- Michelle Glover**
- Avery Housley**
- Kemson A. Kamara**
- Gloria M. Kimaryo**
- Shannon M. Knudson**
- Dustin J. Kremer**
- Caleb B. Krusemark**
- Kristina M. Kurtz**
- Lexi L. Larson**
- Anthony M. LaVoy**
- William LeClair**
- Levi Maguire**
- Willie N. Mundine**
- Tangueray M. Nelmark Neeley**
- Melissa L. Norwig**
- Heather N. Peterson**
- **Timothy J. Ruud**
- Jacob P. Sells**
- Heaven Siewert**
- Christina M. Smith**
- Alexander Speck**
- Philip M. Stenger**
- Christopher A. Swan**
- Douglas E. Szklarski**
- Gabrielle T. Thibert**
- Bryce C. Thronson**
- Princess G. Tomah**
- Lisa M. Wetch**
- Marcus J. Williams**
- Jared D. Zaun**
- Shea V. Zetterman**

# COLLEGE OF BUSINESS

Candidates will be presented by Interim Dean Alan Kallmeyer and marshaled by Dr. Fone Pengnate and student marshal Sara Hennemann.

## DOCTOR OF PHILOSOPHY

### **Kenechukwu C. Ezekwem** *Transportation and Logistics*

“A Spatiotemporal Analysis of Public Transportation and the Built Environment”  
Advisor: Dr. Ranjit Godavarthy

### **Juan A. Molina** *Transportation and Logistics*

“Impact of COVID-19 in Public Transit of Rural Areas and Small Communities With Emphasis on Social Isolation Issues in Older Adults”  
Advisor: Dr. Jeremy Mattson

### **Mohsen Momenitabar** *Transportation and Logistics*

“Electrifying the Public Transportation Systems in the U.S. Model and Application”  
Advisor: Dr. Jeremy Mattson

### **Raghavan Srinivasan** *Transportation and Logistics*

“Optimal Resource Allocation to Minimize Last Mile Delivery Costs”  
Advisor: Dr. Joseph Szmerekovsky

### **Yun Zhou** *Transportation and Logistics*

“Contributing Factors of DUI Recidivism Among First-Time Offenders in North Dakota”  
Advisor: Dr. Kimberly Vachal

## MASTER OF ACCOUNTANCY

### **Leah A. Birt**

### **Eric J. Fettig**

### **Kyle Schultz**

## MASTER OF BUSINESS ADMINISTRATION

### **Brookelyn J. Dew**

### **Amber L. Gillespie**

### **Katherine Grindberg**

### **Spencer Hilde**

### **Luke Lacilento**

### **Samuel Morrison**

### **Robert A. Neubauer**

### **Matthew R. Prozinski**

### **Gabriel J. Sauvageau**

### **Matthew B. Steele**

## MASTER OF SCIENCE

### **Nimrah Sohail**

*Business Analytics*

## MASTER OF SUPPLY CHAIN MANAGEMENT

### **Michael G. Atkins**

### **Adam A. Kukert**

### **Margaret J. Maher**

### **Jean Rodrigue Olivier Sare**

### **Andrew B. Wesseh**

## MASTER OF TRANSPORTATION AND URBAN SYSTEMS

### **Edward Stubbing**

## BACHELOR OF SCIENCE

### **... Taryn E. Allmaras**

*Business Administration Finance*

### **Jacob M. Amble**

*Finance*

### **• Bailey J. Anderson**

*Business Administration*

### **Colin R. Anderson**

*Marketing*

### **Macartney L. Ascheman**

*Business Administration*

### **• Austin C. Backman**

*Management Information Systems*

### **• Andrew Balken**

*Management Information Systems*

### **Caleb Beebe**

*Business Administration*

### **Damien J. Biegert**

*Finance*

### **... Karsten B. Broadley**

*Finance*

### **Chandler A. Buchert**

*Business Administration*

### **Griffin T. Bunn**

*Business Administration*

### **• Rachel W. Burkman**

*Marketing*

### **Shawn S. Carsten**

*Business Administration*

### **Bentley J. Christensen**

*Accounting*

*Business Administration*

### **... Darian Coghlan**

*Marketing*

*Global Business*

- Bea Bianca D. Depra  
*Business Administration*
- Presley A. Dobitz  
*Marketing*
- Caitlin J. Dunn  
*Marketing*
- Abigail H. Dykema  
*Business Administration*
- Emily M. Eback  
*Marketing*  
*Global Business*  
*Finance*
- Amy L. Echternacht  
*Marketing*
- Claire C. Ellefson  
*Business Administration*
- Matthew D. Esler  
*Business Administration*
- Isaac J. Falk-Stoskopf  
*Finance*
- Robert A. Fischbach  
*Finance*  
*Global Business*
- Eric Fischer  
*Finance*
- Megan M. Fletcher  
*Marketing*
- Hassan Fofana  
*Management*  
*Finance*
- Carter S. Ganje  
*Accounting*
- Chelsea A. Gilster  
*Management*
- Tara Gleason  
*Accounting*
- Paige Goaley  
*Marketing*
- Alex L. Gueningsman  
*Business Administration*
- Carson T. Hake  
*Business Administration*
- Cole T. Haller  
*Accounting*
- Breanna L. Hamm-Coyne  
*Accounting*
- Kaylee G. Hanger  
*Business Administration*
- Braydee M. Hanson  
*Management*
- Jack T. Harich  
*Finance*
- Regan M. Hart  
*Finance*
- Haley M. Helmin  
*Marketing*
- Ashley K. Herr  
*Finance*  
*Agricultural Economics*
- Jessen T. Homiston  
*Business Administration*
- Nathan M. Horner  
*Accounting*
- Eric L. Ittel  
*Business Administration*
- Lauren G. Johnson  
*Business Administration*  
*Finance*
- Tre A. Johnson  
*Business Administration*
- Katherine Konold  
*Business Administration*
- Garrett J. Krom  
*Accounting*
- Christopher J. Krueger  
*Finance*
- Jolene M. Kuchera  
*Accounting*
- Larissa K. Larson  
*Finance*
- Seth D. Lawrence  
*Business Administration*
- Tyre Leapaldt  
*Finance*
- Sawyer D. Levos  
*Business Administration*
- Jacob J. Lippe  
*Business Administration*
- Evan D. Loegering  
*Marketing*
- Hunter Luepke  
*Finance*
- Evan R. Markle  
*Finance*
- Ana G. Mart  
*Finance*
- Hyatt R. Martineau  
*Business Administration*
- Trinidy J. Meech  
*Accounting*
- Madison A. Meier  
*Marketing*
- Cade A. Melin  
*Business Administration*

<b>Andrew B. Messmer</b>	<b>Karly K. Schultz</b>
<i>Finance</i>	<i>Accounting</i>
<b>Riley R. Miller</b>	<b>Paige A. Schwinghamer</b>
<i>Accounting</i>	<i>Management</i>
<i>Management</i>	
• <b>Georgia R. Moe</b>	<b>Andrew T. Selensky</b>
<i>Accounting</i>	<i>Finance</i>
<b>Hudson J. Moon</b>	<b>Isabelle R. Sinkler</b>
<i>Business Administration</i>	<i>Management</i>
••• <b>Holly Murphy</b>	••• <b>Emily N. Spilde</b>
<i>Finance</i>	<i>Accounting</i>
• <b>Keaton D. Nelsen</b>	<i>Business Administration</i>
<i>Business Administration</i>	
<b>Clayton K. Nelson</b>	<b>Lucas J. Stevenson</b>
<i>Finance</i>	<i>Marketing</i>
<b>Cole J. Nelson</b>	<b>Emily H. Stillwell</b>
<i>Accounting</i>	<i>Business Administration</i>
<b>Simon E. Nganje</b>	•• <b>April M. Strong</b>
<i>Finance</i>	<i>Accounting</i>
<b>Sean T. Nichols</b>	<b>Eli R. Sundquist</b>
<i>Accounting</i>	<i>Marketing</i>
<b>Trent K. Oberreit</b>	<b>Zachary T. Trushenski</b>
<i>Finance</i>	<i>Business Administration</i>
<b>Mackenzie M. Oswald</b>	• <b>Joshua R. Vetsch</b>
<i>Business Administration</i>	<i>Business Administration</i>
•• <b>Evan G. Palmer</b>	<b>Anthony J. Vetter</b>
<i>Finance</i>	<i>Finance</i>
••• <b>Harrison T. Patzer</b>	• <b>John G. Voll</b>
<i>Accounting</i>	<i>Business Administration</i>
<b>DJ J. Polk</b>	<b>Dain D. Walters</b>
<i>Management</i>	<i>Management Information Systems</i>
••• <b>Kalina A. Ranallo</b>	<b>Logan J. Wangerin</b>
<i>Marketing</i>	<i>Business Administration</i>
••• <b>Hannah E. Retterath</b>	<b>Reese L. Waters</b>
<i>Business Administration</i>	<i>Finance</i>
<b>Levi J. Rockey</b>	•• <b>Zachary L. Weber</b>
<i>Business Administration</i>	<i>Accounting</i>
<b>Megan R. Roswick</b>	<i>Finance</i>
<i>Marketing</i>	•• <b>Luke Weerts</b>
• <b>Andrea A. Rud</b>	<i>Business Administration</i>
<i>Business Administration</i>	• <b>Jared M. Wittenberg</b>
<b>Nathan Rud</b>	<i>Business Administration</i>
<i>Business Administration</i>	•• <b>Julian Wlodarczyk</b>
•• <b>Elizabeth R. Saewert</b>	<i>Finance</i>
<i>Marketing</i>	<b>Theodore J. Zetocha</b>
	<i>Business Administration</i>

# COLLEGE OF ENGINEERING

Candidates will be presented by Dean Michael Kessler and marshaled by Dr. Scott Pryor and student marshal Abigail Henderson.

## DOCTOR OF PHILOSOPHY

### **Ullah Al Habib** *Mechanical Engineering*

“Dynamics of Stall Phenomena Over Pitching Finite-Aspect-Ratio Swept”  
Advisor: Dr. Jordi Estevadeordal

### **Ibukunoluwa O. Ajayi-Banji** *Agricultural and Biosystems Engineering*

“Impact of Drying and Storage Conditions on the Color and Quality of Desiccated Immature Soybeans and Evaluation of Mature Soybeans Allowable Storage Time”  
Advisor: Dr. Kenneth Hellevang

### **Mohammed M. Alamry II** *Software and Security Engineering*

“Identify Firefighters Issues, Needs and Barriers To Utilize Augmented Reality Glasses in Emergency Response”  
Advisor: Dr. Jeremy Straub

### **Amirhadi Alesadi** *Civil Engineering*

“Multiscale Modeling of Conjugated Polymers Towards Predicting Their Multifunctional Behaviors”  
Advisor: Dr. Wenjie Xia

### **Enrique Alvarez Vazquez** *Electrical and Computer Engineering*

“Characterization of Inflationary and Deflationary Auscultatory Blood Pressure Measurements”  
Advisor: Dr. Dan Ewert

### **Edmund Baffoe-Twum** *Civil Engineering*

“Low Roads AADT Estimation Using Geostatistical Techniques”  
Advisor: Dr. Eric Asa

### **Bhavana Bhardwaj** *Software and Security Engineering*

“Software Engineering Methodologies in Developing a Railway Condition Monitoring System”  
Advisor: Dr. Kendall Nygard

### **Arup Dey** *Industrial and Manufacturing Engineering*

“Advanced Numerical Modeling in Manufacturing Processes”  
Advisor: Dr. Nita Yodo

### **Ameneh Forouzandeh Shahraki** *Industrial and Manufacturing Engineering*

“Reliability Analysis and Maintenance Planning of Complex Systems Working Under Dynamic Operating Conditions”  
Advisor: Dr. Om Prakash Yadav

## **Shuomang Shi** *Civil Engineering*

“The Development of Fluorescent Chemical Sensor Array for Detecting and Locating Pipeline Internal Corrosive Environment”  
Advisor: Dr. Ying Huang

### **Yanmei Xie** *Civil Engineering*

“Hygrothermal Effects of Air Cavities Behind Siding on Building Envelopes”  
Advisor: Dr. Huojun Yang

## MASTER OF CONSTRUCTION MANAGEMENT

### **Fredrick J. Boening**

**Steven R. Jeffery**  
**Timilehin M. Oluyemi**  
**Michael S. Pytlak**

## MASTER OF ENGINEERING

### **Andrew J. Leinen**

*Electrical and Computer Engineering*

## MASTER OF SCIENCE

### **Salman Ahmad**

*Civil Engineering*

### **Syed Fateen Ahmed**

*Electrical and Computer Engineering*

### **Tanvir Ahmed**

*Computer Science*

### **Semiu A. Akanmu**

*Software and Security Engineering*

### **Asma Alqarni**

*Computer Science*

### **Anik D. Anto**

*Civil Engineering*

### **Elizabeth Arthur**

*Civil Engineering*

### **Sevitha Badhe**

*Computer Science*

### **Simon Boadi Boateng**

*Construction Management*

### **Porter W. Dixon**

*Mechanical Engineering*

### **Dana M. Faust**

*Industrial Engineering and Management*

### **Zachariah Flaten**

*Biomedical Engineering*

### **Margaret W. Githua**

*Software and Security Engineering*

### **Muskan Gupta**

*Computer Science*

### **Arafat Bin Hossain**

*Computer Science*

**Paul A. Howell**  
Electrical and Computer Engineering  
**Nusrat Jahan**  
Agricultural and Biosystems Engineering  
**Kishor Kaphle**  
Electrical and Computer Engineering  
**Davina J. Kasperski**  
Biomedical Engineering  
**Taha Khan**  
Construction Management  
**Austin K. Knight**  
Mechanical Engineering  
**Suman Koirala**  
Computer Science  
**Siddharth Krishan**  
Computer Science  
**Toan Le**  
Biomedical Engineering  
**Andrew L. Mahoney**  
Mechanical Engineering  
**Anas Nadeem**  
Computer Science  
**Olugbemiga Emmanuel Olatoye**  
Construction Management  
**Surakshya Pradhan**  
Construction Management  
**Md Atikur Rahman**  
Mechanical Engineering  
**Revanth Ravipudi**  
Computer Science  
**Bhavya Sah**  
Computer Science  
**Kohilamulle Arachchige Sameera Lakshan**  
Electrical and Computer Engineering  
**Deepika Shrestha**  
Mechanical Engineering  
**Priyanka Siddana**  
Computer Science  
**Piyush Solanki**  
Computer Science  
**Chengyao Tang**  
Computer Science  
**Prasanna Thapa**  
Construction Management  
**Akhil Venkataraju**  
Computer Science  
**Sydney E. Von Arb**  
Industrial Engineering and Management  
**Bharat Sai Charan Yanda**  
Computer Science  
**Hankuan Zhang**  
Software and Security Engineering

## MASTER OF SOFTWARE ENGINEERING

**Scott Hutchings**  
**Angat Lamichhane**  
**Francis Martinson**  
**Brian Smart**

## BACHELOR OF SCIENCE

**Joseph Anderson**  
Computer Science  
**Joshua D. Anderson**  
Computer Science  
**Thomas J. Bye**  
Computer Science  
**Vincent M. Casey**  
Computer Science  
Mathematics  
**Cole A. Eidsvoog**  
Computer Science  
**Garrett P. Mahin**  
Computer Science  
**Jordan Milbrath**  
Computer Science  
**Dylan J. Miska**  
Computer Science  
Statistics  
**Samuel J. Moberg**  
Computer Science  
**Zachary Nagorski**  
Computer Science  
**Steven M. Posterick**  
Computer Science  
**Noah M. Ritter**  
Computer Science  
**Caleb B. Rogers**  
Computer Science  
**Allison Scharmer**  
Computer Science  
**Vishavjeet S. Sindhu**  
Computer Science  
**Wyatt C. Thelen**  
Computer Science

## BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOSYSTEMS ENGINEERING

- **Lochlann L. Baird**
- **Justin T. Lester**
- **Landon D. Wanner**

## BACHELOR OF SCIENCE IN CIVIL ENGINEERING

- **Drew C. Bailey**  
**Benjamin P. Boegeman**  
**Kylie W. Chard**  
**Benjamin R. Crandall**  
**Hondamuni Ruwindra A. De Zoysa**  
**Tyler D. Doll**
- **Mason L. Emerson**  
**Ryan T. Heilman**
- **Mason T. Kary**  
**Mitchell W. Larson**  
**Osman I. Leon**  
**Marvin N. Qaqos**
- **Travis W. Radke**
- **Jake Schmidt**  
**Blaine S. Sederstrom**  
**Nicholas E. Weinkauf**

BACHELOR OF SCIENCE  
IN COMPUTER ENGINEERING

- Jade A. Allen
- Matthew M. Bauer
- Christopher S. Bruns
- Nathan J. Christensen
- Brennan A. Coslett
- Mark A. Crosswhite
- Zachary N. Fuller
- Carter T. Gnotke
- Jackson T. Gravel
- August P. Herrick
- Jackson T. Myhre
- Yusuf A. Said
- Nolan R. Sand
- Andrew S. Voss
- Steven J. Weigel

BACHELOR OF SCIENCE  
IN CONSTRUCTION ENGINEERING

Grace L. Liljenquist

BACHELOR OF SCIENCE  
IN CONSTRUCTION MANAGEMENT

- Braden M. Aubol
- Garett J. Carlson
- Joseph C. Halter
- Heaven L. Hamling
- Cole P. Jann
- Jacob D. Logghe
- Thomas K. Mattson
- Jackson J. Poepping
- Emily A. Ruziska
- Ethan S. Saunders
- Quin C. Scheidecker
- John J. Schoeler
- Eric G. Sedlacek
- Connor M. Silbernick
- Cole T. Speedling
- Dalton J. Wagner

BACHELOR OF SCIENCE  
IN ELECTRICAL ENGINEERING

- Evan R. Anderson
- Kylee O. Arndt
- John Ashley
- Ethan M. Couser
- Derek D. Dahlgren
- Carter J. Eisinger
- Ryan T. Eldien
- Joel C. Johnson
- Karlee C. Kaylor
- Margaret L. McCleary
- Seth S. Moser
- Soraya E. Nevin
- Isaac J. Rud
- Kyle S. Saville
- Aydrik Schuh
- Ryan L. Soyring
- Daniel J. Wanner
- Kirkland J. Zitzow

BACHELOR OF SCIENCE  
IN INDUSTRIAL ENGINEERING  
AND MANAGEMENT

- Cody L. Beaulieu
- Sherard V. Box
- Sean S. Ho
- Alex D. Ide
- Koby L. Marchus
- Luke J. Oster

BACHELOR OF SCIENCE  
IN MANUFACTURING ENGINEERING

- Hassan M. Farah
- Cole M. Hilsgen
- Ali F. Janjua
- James R. Kaczor
- Johnathon P. Kenow
- Levi J. Loose
- Ashley McDaniels
- Justin G. Mork
- Tyler M. Noffze

BACHELOR OF SCIENCE  
IN MECHANICAL ENGINEERING

**Amber J. Adkins**

*Physics*

- **Max R. Bartels**
- **Dain Benson**
- **Kaden J. Bjorkquist**  
**Roscoe A. Boatman**  
**Nathan G. Bruun**  
**Jacob P. Carter**  
**Dustin J. Coyle**
- **Cristian G. Dahl**  
**Zackary M. Dahlgren**  
**James R. Ehresman**
- **Carter J. Eisinger**  
**Garrett W. Erickson**
- **Clayton E. Gasner**  
**James R. Hahn**
- **Solomon J. Hartung**
- **Noah L. Hemming**
- **Jared Honeyman**
- **Nathan Huntley**
- **Gage M. Jaeger**  
**Stefan A. Johnson**  
**Morgan L. Kapaun**  
**Ryan J. Kasper**  
**Cameron W. Koplin**  
**Jesse B. Koslowsky**
- **Cole M. Kramer**  
**Bryce K. Lang**  
**William Larson**

**Jacob E. Luedke-White**

**Alexander R. Muchow**

**Jackson H. Nagel**

**Alexander B. Naseth**

- **Quinton D. Olsby**  
**Helena C. Otam**
- **Bennett W. Pankow**  
**Jordan C. Pederson**  
**Nathan E. Pellenwessel**  
**Austin R. Petterson**
- **Paula G. Pickett**  
**George B. Powell**  
**Nicholas J. Ranweiler**  
**Brandon Rasmussen**  
**Samuel C. Reister**  
**Brady F. Renteria**  
**Mitchell Rowan**  
**Jakob R. Sailer**
- **John B. Sandahl**  
**Michael C. Schubert**  
**Jack C. Selseth**  
**Emily Sjelin**  
**Nathan B. Stich**  
**Connor S. Swetala**  
**Carter M. Voigt**  
**Jacen M. Wentzell**
- **Austin Widmer**  
**Jonathan T. Williams**  
**Maxim J. Williamson**

# COLLEGE OF HEALTH PROFESSIONS

Candidates will be presented by Dean Charles Peterson and marshaled by Dr. Carla Gross and student marshal Maggie Oberlander.

## DOCTOR OF PHILOSOPHY

**Niyati A. Borkar** *Pharmaceutical Sciences*

"Kisspeptins: Airway Remodeling in Asthma"  
Advisor: Dr. Sathish Venkatachalem

**Santo Kalathingal Anto** *Pharmaceutical Sciences*

"Apelin-APJ Signaling in Hypertensive Coronary Arteries"  
Advisor: Dr. Stephen Rourke

## MASTER OF PUBLIC HEALTH

**Leonela N. Nelson**

*Public Health*

**Tyler Schacher**

*Public Health in Epidemiology*

**John D. Seifert**

*Public Health*

**Savita K. Sidhu**

*Public Health in Epidemiology*

## BACHELOR OF SCIENCE

**Allison C. Abel**

*Respiratory Care*

**Madison M. Baker**

*Respiratory Care*

•• **Amy R. Beal**

*Respiratory Care*

• **Allison M. Carr**

*Respiratory Care*

**Claire F. Grundman**

*Respiratory Care*

•• **Gary J. Hardt**

*Respiratory Care*

• **Brooke J. Johanson**

*Respiratory Care*

• **Sidney R. Larson**

*Respiratory Care*

**Nathan T. Lee**

*Pharmaceutical Sciences*

**Ruby S. Mills**

*Health Services*

**Heather A. Nelson**

*Health Services*

•• **Polina Nikolaevskaya**

*Respiratory Care*

• **Emily M. Nordmeyer**

*Respiratory Care*

**Cadyn S. Schock**

*Pharmaceutical Sciences*

•• **Brooke E. Vanderlaan**

*Respiratory Care*

## BACHELOR OF SCIENCE IN NURSING

**Janessa M. Ackerman**

**Amanda C. Barber**

**Autym M. Blowers**

**Alexis R. Boit**

• **Kaylin D. Brennan**

**Elizabeth M. Burggraff**

• **Ella Bussmann**

**Emily J. Chock**

**Taylor L. Cote**

**Madison D. Crain**

**Emma L. Curran**

•• **Megan Dean**

••• **Kathryn R. Dragseth**

**Amanda F. Drechsel**

**Jade M. Drury**

**Jena M. Emter**

**Kendra M. Essert**

••• **Kailey Fiske**

**Hailey M. Fried**

•• **Lily C. Fuchs**

**Megan E. Gaebel**

•• **Jonathan D. Gallagher**

**Tayla A. Gange**

**Rachel A. Gottenborg**

**Kylee R. Grabow**

• **Morgan Grasswick**

**Ryley K. Gunderson**

•• **Maddie J. Guthmiller**

**Mallory S. Guzman**

**Erika Hallwachs**

**Jessica K. Hansen**

• **Inga-Liese M. Hantho**

**Christina S. Hasbrouck**

•• **Courtney Hawkinson**

**Alexis Helm**

**Kerry L. Heninger**

•• **Maria Henry**

•• **Riley P. Hoffmann**

**Jazmyn R. Hogenson**

•• **Brenna M. Hoger**

**Morgane R. Inangorore**

•• **Moehmin K. Jaffal**

**Makayla R. Johnson**

• **McKenna R. Johnson**

**Anna Joy**

**Jada L. Kjonaas**

• **Hannah F. Klipfel**

**Callie J. Kostreba**

**Lauren E. Kretchmer**

**Lauren H. Krocak**

**Tracy Kubat**

**Tryton Landsiedel**

- Hailey L. Larkin
- Micah L. Larshus
- Rachel M. LeBlanc
- Brianna T. Lindteigen
- Brittany Lizakowski
- Shayla F. Loiland
- Victoria G. Maidl
- Jordyn O. Manecke
- Abriana F. Marble
- Wallen A. Masiasia
- Chelsea E. McCartney
- Sarah L. McKay
- Rachel Menge
- Katelyn J. Miller
- Tyla M. Moorleghen
- Jaci A. Neels
- Aubrey Nelson
- Makenzie K. Neshem
- Hallie J. Nupdal
- Alissa M. Olson
- Amanda K. Papke
- Maya L. Parsons
- Morgan A. Paul
- KarLee J. Pavlicek
- Stephanie P. Peterson
- Kelly J. Pic
- Brittany L. Rohmiller
- Emily J. Russell
- Kimberly A. San Juan
- Sarah S. Sargeant
- Kiana R. Schatz
- Brenna M. Schloemer
- Allison M. Schwartz
- Sarah K. Selle
- Caroline C. Senn
- Miriam Shaw
- Patricia R. Shepard
- Chelsie Shook
- Dominic R. Sieve
- Grace A. Simons
- Kristin L. Skajewski
- Emily G. Stegenga
- Lilly M. Stockamp
- Paige M. Sunderman
- Sarah Thibeau
- Tierrany A. Trudell
- Kylee L. Utter
- Kennedy L. Voeller
- Ashley M. Wanner
- Gillian Weibel
- Megan R. Weist
- Alexa L. Widman
- Holly E. Wolf
- Jenna K. Wolff
- Talia E. Zimdars

# COLLEGE OF HUMAN SCIENCES AND EDUCATION

Candidates will be presented by Dean Ron Werner-Wilson and marshaled by Dr. Justin Benna and student marshal Azalea Benjamin.

## DOCTOR OF PHILOSOPHY

**Kirsten E. Hanson** *Counselor Education and Supervision*  
“Counseling College Students in a Pandemic:  
Lessons Learned”  
Advisor: Dr. Todd Lewis

**Lukus A. Klawitter** *Exercise Science and Nutrition*  
“Using Electronic Handgrip Dynamometry To  
Determine Human Performance in Master's Aged  
Cyclists and Triathletes”  
Advisor: Dr. Ryan McGrath

**Kerrie C. Leonard** *Developmental Science*  
“Multiracial Identity as a Factor in Body Image  
and Disordered Eating”  
Advisor: Dr. Heather Fuller

## MASTER OF EDUCATION

**Nicole L. Anderson**  
*Educational Leadership*

**Abbie Bertsch**  
*Educational Leadership*

**Carly Braathen**  
*Educational Leadership*

**Katherine M. Dion**  
*Educational Leadership*

**McKayle L. Carter**  
*Education*

**Crystal L. Eversvik**  
*Educational Leadership*

**Renae K. Gress**  
*Agricultural Education*

**William Hultberg**  
*Educational Leadership*

**Leah Kessler**  
*Agricultural Education*

**Jane P. Knowski**  
*Educational Leadership*

**Sara J. Liere**  
*Educational Leadership*

**Chrystal D. Macarthur**  
*Educational Leadership*

**Carleen E. McCarthy**  
*Educational Leadership*

**Tammy L. Meyer**  
*Educational Leadership*

**Bethany R. Smith**  
*Education*

**Megan V. Wasness**  
*Educational Leadership*

## MASTER OF SCIENCE

**Payton Armijo**  
*Health, Nutrition, and Exercise Science*

**Laulewasika D. Bendolph**  
*Health, Nutrition, and Exercise Science*

**Jordan C. Elliott**  
*Health, Nutrition, and Exercise Science*

**Samantha J. Henkes**  
*Human Development and Family Science*

**Thomas P. Hoskins**  
*Advanced Athletic Training*

**Lauren E. Joki**  
*Health, Nutrition, and Exercise Science*

**Mickaela L. Langer**  
*Advanced Athletic Training*

**Kiley M. Lovelace**  
*Advanced Athletic Training*

**Jennifer L. Reiser**  
*Human Development and Family Science*

## BACHELOR OF SCIENCE

• **Isabella Anderson**  
*English Education*

• **Paige Ballard**

*Human Development and Family Science*

**Vanessa L. Bannochie**

*Human Development and Family Science*

**Britney N. Behm**

*Human Development and Family Science*

**Connor M. Birrenkott**

*Sport Management*

**Alexa F. Bluth**

*Human Development and Family Science*

**Spencer A. Boos**

*Chemistry Education*

• **Olivia J. Buckeye**

*Agricultural Education*

**Alexis M. Burgwald**

*Human Development and Family Science*

• **Damian H. Caron**

*Sport Management*

**Eric T. Duliere**

*Biological Science Education*

**Kelsie R. Elliott**

*Human Development and Family Science*

• **Mason Engler**

*Sport Management*

**Aaron F. Erlandson**

*Social Science Education*

- Michaela J. Fischer  
*Family and Consumer Sciences Education*
- Stephanie A. Gooding  
*Human Development and Family Science*
- Jennie A. Hastings  
*Apparel, Retail Merchandising and Design*
- Brock M. Hestdalen  
*Sport Management*
- Karlie A. Hoehn  
*Human Development and Family Science*
- Ariel J. Iglehart  
*Human Development and Family Science*
- Mallory A. Jensen  
*Human Development and Family Science*
- Christian L. Kelley  
*Sport Management*
- Marissa A. Knochenmus  
*Hospitality and Event Management*
- Kaitlyn R. Knutson  
*Human Development and Family Science*
- Karla Kolakovic  
*Apparel, Retail Merchandising and Design*
- Rabeka L. Langer  
*Human Development and Family Science*
- Hayley R. Leisenheimer  
*Human Development and Family Science*
- Claire M. Longley  
*Human Development and Family Science*
- Daniel S. Mages  
*Physics Education*
- Sydney A. Mauch  
*Human Development and Family Science*
- Jamieson P. McVicar  
*Sport Management*
- Carter M. Moilanen  
*Mathematics Education*
- Breanna A. Mundy  
*Human Development and Family Science*
- Charity R. Nett  
*Human Development and Family Science*
- Kelsey D. Nicklay  
*Human Development and Family Science*
- Sydnee J. Olson  
*Sport Management*
- Codi J. Payne  
*Agricultural Education*
- Kelby A. Peterson  
*Sport Management*
- Allison E. Pieper  
*Human Development and Family Science*
- Ella G. Richards  
*Human Development and Family Science*
- Maggie M. Rick  
*Hospitality and Event Management*
- Cody Rieger  
*Sport Management*
- Isaac E. Ries  
*Physical Education*
- Mikayla R. Ripplinger  
*Family and Consumer Sciences Education*
- Anne E. Rovinsky  
*Nutrition Science*
- Emily M. Saathoff  
*Human Development and Family Science*
- Bethany A. Sackett  
*Human Development and Family Science*
- Emmalee R. Schultz  
*Hospitality and Event Management*
- Adam M. Seibert  
*Physical Education*  
*Health Education*
- Hunter Sigette  
*Physical Education*  
*Health Education*
- Cameron C. Solberg  
*Mathematics Education*
- Chloe A. Spoden  
*Human Development and Family Science*
- Sage M. Talmadge  
*Human Development and Family Science*
- MacKenzie G. Teigen  
*Biological Sciences Education*  
*Biological Sciences*
- Jacob N. Thompson  
*Mathematics Education*
- Dallas K. Tufty  
*Human Development and Family Science*
- Anna M. Vincent  
*Human Development and Family Science*
- Emma E. Wilm  
*Social Science Education*
- Avery M. Wysong  
*Human Development and Family Science*

# COLLEGE OF SCIENCE AND MATHEMATICS

Candidates will be presented by Chair Mark Nawrot and marshaled by Dr. Ron Degges and student marshal Benjamin Schirrck.

## DOCTOR OF PHILOSOPHY

### Sujata G. Birua *Biochemistry*

"New Insights into Apoptosis-Inducing Factor (AIF) Mediating Pro-survival Activity"  
Advisor: Dr. John Wilkinson

### Evan W. Culver *Chemistry*

"Examining Thieno[3,4-b]pyrazine through a Multifaceted Lens: From Extended Ring Functionalization to Ambipolar-Acceptor Copolymers"  
Advisor: Dr. Seth Rasmussen

### Anuj Ghimire *Biological Sciences*

"The Impact of Developmental Conditions on Growth and Telomeres in House Sparrow (*Passer domesticus*)"  
Advisor: Dr. Britt Heidinger

### Wendy A. Larson *Biochemistry*

"Roles of Replication Factor a Post-Translational Modifications in Coordinating the DNA Damage Checkpoint"  
Advisor: Dr. Stuart Haring

### Heather A. North *Biological Sciences*

"Chronic Exposure to Sublethal Levels of Thiamethoxam and Glyphosate: Behavior in Two Bee Species"  
Advisor: Dr. Julia Bowsher

### Raul A. Setien *Coatings and Polymeric Materials*

"Sustainable Thermosetting Polymers: Biobased Epoxy Resin Systems and Aqueous Non-Isocyanate Polyurethanes"  
Advisor: Dr. Dean Webster

## MASTER OF SCIENCE

### Awatef O. Alenezi *Applied Statistics*

### Brandon J. Allen *Mathematics*

### Garrett S. Byron *Psychology*

### Yuxin Guo *Applied Statistics*

### Kevin J. Wolfe *Applied Statistics*

## BACHELOR OF SCIENCE

### Ahmed Mohammed A. Aldrees *Physics*

**Guyth Alsmaa S. Alkhazraji**  
*Biochemistry and Molecular Biology*

### Olivia M. Anderson *Psychology*

### Bradley D. Bensen *Biochemistry and Molecular Biology*

### Maxwell Benson *Psychology*

### Rachel Brown *Psychology*

*Human Development and Family Sciences*

### Catherine R. Bunker *Geology*

**Katelyn N. Cannon**  
*Biological Sciences*

•• **Hannah E. Carmon**  
*Biological Sciences*

•• **Katie Cordell**  
*Psychology*

•• **Allison M. Cross**  
*Biological Sciences*

**Madera E. Dahlseid**  
*Psychology*

**Hannah L. Dahm**  
*Psychology*

•• **Madison M. Daub**  
*Psychology*

*Political Science*

### Tiara D. Davis *Psychology*

**Gage M. Eastman**  
*Biological Sciences*

• **Alexus M. Elliott**  
*Biological Sciences*

**Andrea M. Friborg**  
*Biological Sciences*

**Matthew Gasser**  
*Biological Sciences*

• **Twyla L. Gross**  
*Biological Sciences*

**Tawnya L. Hammond**  
*Biochemistry and Molecular Biology*

**Garrett M. Hanson**  
*Psychology*

• **Blake T. Hansted**  
*Biological Sciences*

<b>Alex J. Hass</b>	<b>Oliver J. Nelson</b>
<i>Biological Sciences</i>	<i>Psychology</i>
<b>Brooke A. Heidrich</b>	<b>Monni K. Nyaribo</b>
<i>Biological Sciences</i>	<i>Biological Sciences</i>
<b>•• Bonet Henderson</b>	<b>•• Genesis R. Paul</b>
<i>Psychology</i>	<i>Mathematics</i>
<b>•• Olivia Hennen</b>	<i>Statistics</i>
<i>Biochemistry and Molecular Biology</i>	
<b>•• Alyssa J. Henry</b>	<b>•• Carly Peterson</b>
<i>Biological Sciences</i>	<i>Biological Sciences</i>
<b>Wyatt Heringer</b>	<b>Jack A. Peterson</b>
<i>Chemistry</i>	<i>Psychology</i>
<b>Emma Hildebrandt</b>	<i>Economics</i>
<i>Psychology</i>	<b>Tony Pierce</b>
<b>• Kimberly Hinkel</b>	<i>Psychology</i>
<i>Biological Sciences</i>	<b>•• Kaitlyn J. Qualley</b>
<b>•• Sydney A. Holub</b>	<i>Psychology</i>
<i>Psychology</i>	<b>• Allison N. Roiger</b>
<b>•• Sydney R. Huberty</b>	<i>Biological Sciences</i>
<i>Psychology</i>	<b>•• Abigail Sater</b>
<b>•• Andrew T. Huwe</b>	<i>Psychology</i>
<i>Psychology</i>	<b>• Tess M. Schafer</b>
<b>• Afruzeh F. Jacobson</b>	<i>Psychology</i>
<i>Biological Sciences</i>	<b>Claire C. Schmitt</b>
<b>•• Julia R. Johnson</b>	<i>Biological Sciences</i>
<i>Biochemistry and Molecular Biology</i>	<b>Anna K. Schumacher</b>
<b>Samantha N. Joint</b>	<i>Psychology</i>
<i>Psychology</i>	<b>•• Michelle Stagl</b>
<i>International Studies</i>	<i>Biological Sciences</i>
<b>•• Madison Jordahl</b>	<b>•• Larissa M. Stoddart</b>
<i>Psychology</i>	<i>Psychology</i>
<b>Ethan E. Kirkey</b>	<i>Criminal Justice</i>
<i>Psychology</i>	<b>• Samantha M. Stueber</b>
<b>Ashley A. Landis</b>	<i>Biological Sciences</i>
<i>Psychology</i>	<b>•• Amelia J. Swanson</b>
<b>•• Sydney M. Larson</b>	<i>Geology</i>
<i>Biological Sciences</i>	<b>• Gabriel Torbert</b>
<i>English</i>	<i>Psychology</i>
<b>•• Zachary R. Lomenda</b>	<b>Samuel D. Van Den Broeke</b>
<i>Psychology</i>	<i>Psychology</i>
<b>Abdishakur Mahboub</b>	<b>•• Samuel Vazquez</b>
<i>Biological Sciences</i>	<i>Biological Sciences</i>
<b>Sharon M. Marques</b>	<b>Baylee R. Vondra</b>
<i>Psychology</i>	<i>Psychology</i>
<i>Human Development and Family Sciences</i>	<b>Brandon Winkler</b>
<b>Brayden J. Miller</b>	<i>Biological Sciences</i>
<i>Biological Sciences</i>	<b>• Jericah L. Zander</b>
<b>Aaron C. Mittleider</b>	<i>Biological Sciences</i>
<i>Psychology</i>	<b>•• Kaitlyn Zaske</b>
<b>Mason M. Nelson</b>	<i>Biological Sciences</i>
<i>Biological Sciences</i>	<b>•• Sandi Zukanic</b>
	<i>Biological Sciences</i>



NDSU THEN



NDSU NOW

North Dakota had been a state a little less than a year when Gov. John Miller signed a bill on March 8, 1890, designating a square mile of land adjoining Fargo as the site of the new campus and demonstration farm under the name, North Dakota Agricultural College.

A commitment to the federal government was honored by establishing a college of agriculture and mechanic arts under the Morrill Act of 1862. The course of studies was to be a harmonious blend of technical and academic subjects.

Known as a people's college, NDSU was part of a bold new experiment to provide access to a college education for the common person. That was how it started.

NDSU is a national model of a successful student-focused, land-grant, research institution. The university is a vibrant institution that enrolled more than 12,200 students during fall 2022 in its undergraduate and graduate programs.

NDSU is an R1 research institution as defined by the Carnegie Classification of Institutions of Higher Education. That is the top Carnegie status and is presented only to institutions with a very high level of research activity and a high number of doctoral degrees conferred across a balanced portfolio of disciplines. With more than \$156 million in research expenditures in fiscal 2020, NDSU is ranked 97th among 415 public universities by the National Science Foundation's Higher Education Research and Development Survey.

# NORTH DAKOTA STATE BOARD OF HIGHER EDUCATION

**Casey Ryan** Grand Forks

*Chair*

**Kevin Black** Minot

**Tim Mihalick** Minot

**Danita Bye** Stanley

**Jeffry Volk** West Fargo

**Nick Hacker** Bismarck

**John Warford** Bismarck

**Lisa Montplaisir**

Faculty Advisor

North Dakota State University

**Sadie Hanson**

Student Member

University of North Dakota

**Michael Linnell**

Staff Advisor

Minot State University

## NDSU PRESIDENTS

### *President*

### *Term*

Stockbridge, Horace E.....	1890 - 1893
Powers, J. B. (Acting).....	1893 - 1895
Worst, John H.....	1895 - 1916
Ladd, Edwin F.....	1916 - 1921
Keene, Edward S. (Acting).....	February - September, 1921
Coulter, John Lee.....	1921 - 1929
Minard, Archibald E. (Acting).....	July - September, 1929
Shepperd, John B. ....	1929 - 1937
West, John C. (Acting).....	1937 - 1938
Eversull, Frank L.....	1938 - 1946
Sevrinson, Charles A. (Acting).....	June - July, 1946
Longwell, John H. ....	1946 - 1948
Hultz, Fred S.....	1948 - 1961
Hazen, Arlon G. (Acting).....	1961 - 1962
Albrecht, H.R. ....	1962 - 1967
Loftsgard, L.D.....	1968 - 1987
Koob, Robert (Acting).....	October 1987 - May 1988
Ozbun, J.L. ....	1988 - 1995
Plough, Thomas R.....	1995 - 1998
Fischer, Allan G. (Interim).....	June 1998 - 1999
Chapman, Joseph A.....	1999 - 2009
Hanson, Richard (Interim).....	2009 - 2010
Bresciani, Dean .....	2010 - 2022
Cook, David .....	2022 - present

# THE ACADEMIC PROCESSIONAL

The academic processional that officially preludes the Commencement ceremonies on college and university campuses is one of the oldest and most colorful customs that link 21st century education with its early origins.

To signal the achievements of their students, American institutions of higher learning conduct a formal ceremony to award the appropriate degrees earned at the conclusion of prescribed study. The action of taking the degree — baccalaureate, master's or doctorate, as well as the designation of the day itself — is Commencement. Various explanations of the term Commencement are possible. The most likely is that centuries ago the bachelor, originally an apprentice, began an apprenticeship upon that day; and with the degree of M.A. and Ph.D., the masters and doctors commenced their work upon the day their degrees were conferred. So today, students, having finished their preliminary education, set out upon the career for which they have prepared.

## ACADEMIC APPAREL

As cited in Academic Heraldry in America (Sheard, 1962), the academic regalia worn at Commencement is of medieval origin. The scholars of Bologna, Salamanca, Paris, Oxford, Cambridge, Louvain and Heidelberg dressed in a manner to distinguish themselves from the merchants and other townspeople. Since the 11th century, when the rise of universities began, "learned clerks" robed themselves in gowns, caps and hoods, thus marking a difference between "town and gown."

By this apparel they were recognized as belonging to the teaching guild, which was the Guild of the Master of Arts. In this organization, the bachelor was the apprentice of the master. This relationship was the forerunner of today's academic structure.

Today, customs vary in different parts of the world. Generally in Europe, professors wear the type of garment customary in the university where they are lecturing. In the United States, professors continue to wear the gown and hood of the university from which they received their highest degree. The gown, in origin, may have been simply a type of overcoat to protect the teacher from the cold in unheated buildings; the cut or style seems to be derived from ecclesiastical attire. It has usually been black; however, in recent years some institutions have adopted a school color for their gowns. The gowns of bachelors and masters are usually without trimmings of any sort, whereas those of doctors are faced down the front with velvet and adorned with three velvet bars on the sleeves.

The cap or "mortarboard" may have come from the squarish cap worn by the masons of the Middle Ages, or perhaps was suggested by the shape of the books that occupied so much of the scholar's time. Attached to a button atop the "mortarboard" is a tassel. The tassel is worn on the left side by individuals receiving or have received a degree. For photography purposes, a candidate's tassel may be worn on the right side of the mortarboard.

The hood, a triangular fold of cloth worn over the back of the gown, is faced with colors which denote the field of study represented by the wearer's degree; the colors of the lining are those of the college or university that granted the degree. The length of the hood is correspondingly longer with each higher degree.

The wide velvet borders extending down the front of the doctoral gown, the velvet bars on the sleeves and the borders of most hoods, are colored according to the scholarly field of the wearer. The most usual of these doctoral hood colors are the following:

<i>blue violet</i>	Architecture
<i>white</i>	Arts, Letters and Humanities
<i>copper</i>	Economics
<i>light blue</i>	Education
<i>orange</i>	Engineering
<i>brown</i>	Fine Arts
<i>crimson</i>	Communication
<i>purple</i>	Law
<i>lemon</i>	Library Science
<i>pink</i>	Music
<i>dark blue</i>	Philosophy
<i>sage green</i>	Physical Education
<i>salmon pink</i>	Public Health
<i>gold</i>	Science
<i>scarlet</i>	Theology

While the arrangement of colors is pleasing to the eye and add beauty and impressiveness to ceremonial processions, there is historic significance attached to their selection.

The white for arts and letters comes from the white fur of the Oxford and Cambridge B.A. hoods. The red for theology, as used by cardinals for centuries, follows the traditional color of the church. The purple for law comes from the royal purple of the king's courts. The green for medicine, from the stripe in the army surgeon's uniform, and earlier from the color of medicinal herbs.

The degrees in philosophy are shown by blue, the color of truth and wisdom. Science by gold-yellow, which signifies wealth contributed by scientific discoveries. Pink was taken from the pink brocade prescribed for the Oxford doctors of music. Olive, a shade of green, was selected for pharmacy, which is closely allied to medicine;

while russet brown, the color of dress worn by old English foresters, indicates forestry.

Graduate candidates wear a hood colored according to the scholarly field of the wearer.

<i>maize</i>	Agriculture, Food Systems, and Natural Resources
<i>brown</i>	Landscape Architecture and Environmental Design
<i>white</i>	Arts, Humanities and Social Sciences
<i>drab</i>	Business
<i>light blue</i>	Education
<i>orange</i>	Engineering
<i>maroon</i>	Human Development
<i>apricot</i>	Nursing
<i>olive green</i>	Pharmacy
<i>golden yellow</i>	Science and Mathematics
<i>white</i>	University Studies

## UNIVERSITY MACE

The mace has an ancient history of use as a symbol of authority. Originally used by knights or a royal bodyguard to protect a king in processions, the mace evolved to assume more ceremonial functions by the 14th century.

The NDSU institutional mace was created for NDSU's centennial. Dr. Fredrick G. Walsh was appointed by President Loftsgard to help create the mace as the leader of the 1986 centennial committee. The mace was designed by Dr. Walsh's son, Fredrick H. Walsh. It was introduced during President Ozbun's inauguration on Sept. 14, 1989.

Today, the NDSU mace is carried by the stage marshal, the presiding officer of the Faculty Senate, as he leads the president and other platform party dignitaries in commencement processions.

# GRADUATION HONORS

**WITH HONOR:** Graduation with honor applies only to the baccalaureate degree. Graduate courses will not be included in the computation. Candidates who entered NDSU as freshmen and who have earned an institutional grade-point average greater than or equal to 3.5 and less than 3.7 will be graduated Cum Laude, an institutional grade-point average greater than or equal to 3.7 and less than 3.9 will be graduated Magna Cum Laude, and an institutional grade-point average greater than or equal to 3.9 and up to 4.0 will be graduated Summa Cum Laude. All final grades on the NDSU academic record will be included in grade-point average calculations for graduating with honor. The honor medallion is a gold medallion on a yellow ribbon and is worn around the neck. The medallion features the NDSU seal.

Other academic honors include the following:

**ALPHA EPSILON, national honor society of agricultural, biological and food engineers:** A double intertwined black and gold honor cord is worn around the neck. To qualify, juniors and seniors in agricultural and biosystems engineering must be in the top one-fourth and one-third, respectively, of their class in the College of Engineering and uphold high standards of character and leadership.

**BETA GAMMA SIGMA, international business honor society:** A blue and gold cord is worn around the neck. Students, by class, who qualify are: juniors, top 7 percent; seniors, top 10 percent; and graduate students, top 20 percent.

**BLUE KEY, national honor society:** A blue and gold medallion with a blue ribbon is worn around the neck. Blue Key recognizes students for remarkable leadership and outstanding service to the university and the community. Academic achievement of members must be within the top 35 percent of their class.

**ETA KAPPA NU, the honor society of IEEE:** A gold cord with blue and red tassels is worn around the neck. IEEE-HKN encourages and recognizes outstanding character, attitude and scholarship among electrical and computer engineers. Students must be in the top fifth of their sophomore class, top quarter of juniors, top third of seniors or graduate students recommended by faculty.

**GAMMA SIGMA DELTA, international agriculture honor society:** A forest green and light tan honor cord is worn around the neck. Membership is conferred upon selected students who have demonstrated superior teaching, research or service to agriculture while maintaining a 3.5 grade-point average. Members represent agricultural excellence at the undergraduate, graduate and post-graduate levels.

**GOLDEN KEY, international honor society:** A gold medallion on a blue and gold ribbon is worn around the neck. Golden Key recognizes juniors and seniors from all disciplines who are in the top 15 percent of their class.

**LAMBDA BETA HONOR SOCIETY, national respiratory care honor society:** A forest green and black ribbon pin is worn on the gown. Members must have completed at least 50 percent of their course work and rank academically in the top 25 percent of the respiratory care class.

**LAMBDA PI ETA, national communication honorary society:** A gold cord is worn around the neck. To qualify, members must have a cumulative grade-point average of 3.0 with a 3.25 in their communication major courses.

**MORTAR BOARD, national honor society:** A gold medallion is worn around the neck. Mortar Board recognizes college seniors for distinguished ability and achievement in scholarship, leadership and service. Members also must meet at least a 3.0 grade-point average.

**NATIONAL RESIDENCE HALL, honorary:** A navy blue honor cord is worn around the neck. To qualify, members must demonstrate leadership and academic qualities within the top 1 percent of the residence hall population.

**ORDER OF OMEGA, national fraternity and sorority life honorary society:** A gold stole is worn around the neck. Order of Omega recognizes the top 3 percent of juniors and seniors who have exemplified high standards in the areas of scholarship with a 3.25 grade-point average; and leadership and involvement within their respective organization(s), fraternity or sorority, campus and local community.

**PHI ALPHA THETA, national history honor society:** A pale blue and red cord is worn around the neck. Members represent excellence in historical research at all levels: undergraduate, graduate and post-graduate.

**PHI ETA SIGMA, national honor society:** A black and gold cord worn around the neck. To qualify, students must have a 3.5 institutional grade-point average at the close of any full-time semester during their first year.

**PHI KAPPA PHI, honorary scholastic society:** A gold stole is worn around the neck. Members are chosen from among students in the top 10 percent of their class.

**PHI UPSILON OMICRON (PHI U), honorary human development and education society:** Double cords of entwined purple, white and yellow are worn around the neck. Academic achievement must be within the top 35 percent of majors in the field who qualify for membership.

**PI LAMBDA THETA, international education honor society:** A gold cord is worn over the left shoulder. A division of PDK International, Pi Lambda Theta recognizes undergraduate juniors, seniors and graduate students who are pursuing degrees in education-related fields and who have a cumulative GPA of 3.50 or higher.

**PI SIGMA ALPHA, national political science honor society:** A cloisonné, medallion on a red ribbon, is worn around the neck. To qualify, students must have a cumulative grade-point average of 3.0 and have a 3.0 grade-point average in all political science courses.

**PI TAU SIGMA, international mechanical engineering honor society:** A white stole with the Pi Tau Sigma coat of arms is worn around the neck. To qualify, juniors in the mechanical engineering program must be in the top 25 percent of their class; as non-graduating seniors, members must be in the top 35 percent of their class.

**PSI CHI, national psychology honor society:** A silver stole is worn around the neck. To qualify, members must have a 3.0 cumulative grade-point average, a 3.5 major grade-point average and rank in the upper 35 percent of their class.

**RHO CHI SOCIETY, national pharmacy honor society:** A purple and white honor cord is worn around the neck. To qualify, members must have completed their second year of the professional program. Membership is offered to the top 20 percent of the class.

**SIGMA THETA TAU, international honor society of nursing:** An orchid and white cord is worn around the neck. To qualify, members must have a 3.0 grade-point average, rank in the upper 35 percent of their nursing class and meet the expectation of academic integrity.

**SIGMA TAU DELTA, international English honor society:** A red stole is worn around the neck. Undergraduate members must rank in the top 35 percent of their class. Graduate members must have at least a 3.3 grade-point average.

**STUDENT GOVERNMENT:** A green and gold cord is worn around the neck. To qualify, members of Student Government must have achieved a 3.0 cumulative grade-point average.

**TAU BETA PI, national engineering honor society:** A white satin collar with the Bent embroidered in gold is worn around the neck. To qualify as juniors, members must be in the top one-eighth of their engineering class; as seniors, members must be in the top one-fifth of their engineering class.

**TAU SIGMA DELTA, national architecture honor society:** A white stole with gold embroidery is worn around the neck. To qualify, juniors or seniors must have a 3.0 grade-point average and be in the upper 20 percent of their class.

**UNIVERSITY HONORS PROGRAM:** A gold medallion on a green ribbon is worn around the neck. Honors program graduates have completed, in addition to their primary majors, a four-year curriculum of interdisciplinary honors courses and have produced and publicly presented a senior honors thesis.

**UPSILON PI EPSILON, national computer science honor society:** Medallion with burgundy ribbon is worn around the neck. To qualify, undergraduate students must be upperclass status in the top 35 percent of their class and have a minimum grade-point average of 3.3, with at least a 3.5 grade-point average in 24 or more credits of computer science courses. Graduate students must have at least 18 upper-division computer science credits with a minimum grade-point average of 3.5.

**VETERAN HONOR SOCIETY:** A red, white and blue braided cord is worn around the neck, adorned with a medallion representing the student's branch of service. To qualify, the student must have at least a 3.0 cumulative grade-point average and represent the North Dakota State University veteran community in a positive way.

# HONORARY DOCTORATES

<b>1939</b>	Dean H. L. Bolley, D.Agr. C. B. Waldron, D.Agr.	<b>1962</b>	Charles E. Kellogg, D.Sc. H. H. Flor, D.Sc. George E. Abbott, D.Sc. Edward A. Steinhaus, D.Sc.	<b>1970</b>	Gilmore T. Schjeldahl, D.Sc. Senator Milton R. Young, D.Sc.
<b>1940</b>	Arni Helgeson, D.Agr. George Will, D.Sc. Philip S. Rose, D.Agr. M. L. Wilson, D.Agr. Henry H. Kildee, D.Agr.	<b>1963</b>	Dr. Irvamae Applegate, D.Sc. Dr. Hilton M. Briggs, D.Sc. Dr. Patrick H. Costello, D.Sc. Dr. James Scott Long, D.Sc.	<b>1971</b>	Lawrence B. Hall, D.Sc. George A. Rogler, D.Sc.
<b>1943</b>	Maj. Gen. James A. Ulio, D.Sc. in Mil. Sci.	<b>1964</b>	Reuben W. Askanase, LL.D. W. B. Baker, LL.D. Ernest J. George, D.Sc. Clarence F. Kelly, D.Sc.	<b>1972</b>	Dr. H. R. Albrecht, D.Sc. Clyfford Still, D.F.A.
<b>1946</b>	Dr. L. Van Es, D.Agr.	<b>1965</b>	Dr. Marlin George Cline, D.Sc. H. Christine Finlayson, D.Sc. Justice Samuel Freedman, LL.D. Lois Phillips Hudson, Litt.D.	<b>1973</b>	William L. Guy, LL.D. Dr. G. Wilson Hunter, D.Sc.
<b>1948</b>	O. A. Stevens, D.Sc.	<b>1966</b>	Alvin A. Johnson, D.Agr. Dr. Lyle W. Phillips, D.Sc. Brig. Gen. Lawrence F. Tanberg, D.Sc.	<b>1974</b>	Miss Mercedes Bates, D.Sc. Dr. Reinhard Wolff, D.Sc.
<b>1949</b>	Jack Pyle, LL.D. Dr. F. L. Hovde, LL.D.	<b>1967</b>	Clarice Gullickson Taylor, D.Sc. Lawrence Welk, D.Mus.	<b>1975</b>	Miss Peggy Lee, D.Mus. Irwin R. Rector, D.Sc.
<b>1950</b>	J. L. Coulter, D.Sc. Alex Lind, LL.D.	<b>1968</b>	Harold B. Bachman, D.Mus. Dr. Leon O. Jacobson, D.Sc. Robert Pearson, D.Sc. Glenn J. Talbott, D.Agr. Vernon O. Trygstad, D.Sc.	<b>1976</b>	Paul M. Gallagher, LL.D. Thomas S. Kleppe, LL.D. Satenig S. St. Marie, LL.D.
<b>1951</b>	Clyde H. Bailey, D.Sc.	<b>1969</b>	<b>Special Convocation</b>	<b>1977</b>	Albert Doerr, D.Sc. Harold Schafer, LL.D. Larry Alfred Woiwode, Litt.D.
<b>1952</b>	D. Milton Ladd, LL.D.	<b>1970</b>	General Harold K. Johnson, L.H.D.	<b>1978</b>	Mark Andrews, LL.D. Dr. David Schindler, D.Sc.
<b>1953</b>	Dr. H. L. Walster, D.Sc.	<b>1971</b>	<b>Dec. 15, 1966</b>	<b>1979</b>	Roland F. Harding, D.Sc.
<b>1954</b>	Dean R. M. Dove, D.Sc.	<b>1972</b>	Dr. Harold K. Johnson, L.H.D.	<b>1980</b>	Quentin N. Burdick, LL.D. Dr. Beverly Pfeifer Lynch, Litt.D.
<b>1955</b>	Dean W. F. Sudro, D.Sc. Newell P. Beckwith, D.Sc.	<b>1973</b>	<b>During Inaugural April 11, 1969</b>	<b>1981</b>	M. Truman Fossum, D.Sc. Louis L'Amour, Litt.D. John L. McCormick Jr., LL.D.
<b>1956</b>	Roy Johnson, D.Sc.	<b>1974</b>	Dr. Clifford M. Hardin, D.Sc.	<b>1982</b>	Katherine K. Burgum, D.Sc. Dr. Robert W. Coon, D.Sc.
<b>1957</b>	John Haw, D.Sc.	<b>1975</b>	C. N. Nelson, D.Sc. Charles R. Walgreen Jr., D.Sc.	<b>1983</b>	John Rouzie, D.Hum.Litt.
<b>1958</b>	Dr. Melvin Brodshaug, Litt.D. Duke de Vallombrosa, LL.D.	<b>1976</b>	<b>1984</b>	<b>1984</b>	Brynhild Haugland, LL.D.
<b>1959</b>	Donald Fletcher, D.Sc. James B. Konen, D.Sc.	<b>1977</b>	Clifford H. Willson, D.Sc.		
<b>1960</b>	T. E. Stoa, D.Sc. Robert B. Parrott, LL.D.	<b>1978</b>			
<b>1961</b>	E. J. Haslerud, D.Sc.	<b>1979</b>			

**1985**  
Edwin M. Anderson, D.Sc.  
John H. Ladish, D.Sc.

**1986**  
James H. Critchfield, D.Sc.  
Richard P. Critchfield, L.H.D.  
William A. Schlossman, LL.D.

**1987**  
Robert M. Hendrickson, LL.D.

**1988**  
Dr. Marvin E. Jensen, D.Sc.  
Glen J. Schoessow, D.Sc.

**1989**  
Ernest G. Anderson, D.Sc.  
Howard M. Olson, D.Sc.

**1990**  
Warren B. Diederich, D.Sc.  
Fred B. Scheel, LL.D.  
William J. Grosz, D.Sc.  
David M. Gipp, LL.D.  
C. Warner Litten, LL.D.  
Donald J. Kenna, D.Sc.  
Harold J. Klosterman, D.Sc.  
Anne Stegner, LL.D.  
Glenn S. Smith, D.Sc.  
Stanley W. Bale, D.Sc.

**1991**  
Lloyd Thompson, D.Sc.

**1992**  
Aldrich C. Bloomquist, D.Sc.  
Harvey K. Nelson, D.Sc.  
Art Bunker, LL.D.

**1993**  
Dr. Robert O. Brandenburg,  
D.Sc.  
William C. Marcil, Litt.D.  
George A. Sinner, L.H.D.

**1994**  
Jean Mason Guy, L.H.D.  
Peter Schickele, D.F.A.

**1995**  
Dr. Jack F. Carter, D.Sc.  
Robert N. Spolum, LL.D.

**1996**  
Dr. Philip E. Austin, LL.D.

**1998 May**  
Lendal H. Kotschevar, LL.D.

**1998 December**  
Ronald D. Offutt, LL.D.

**1998 December**  
Dr. James M. Sugihara, D.Sc.

**1999 May**  
Alf H. Clausen, D.Mus.  
Dr. R. James Cook, D.Sc.

**1999 December**  
Robert C. Dawson, LL.D.

**2000 May**  
David W. Bernauer, D.Sc.  
Douglas J. Burgum, LL.D.

**2000 December**  
Ervin E. Kaiser, LL.D.

**2001 May**  
Dr. A. Catherine Cater, D.F.A.  
Dr. Evelyn R. Morrow  
Lebedeff, LL.D.

**2001 December**  
Byron Dorgan, LL.D.

**2002 May**  
John Q. Paulsen, LL.D.  
Fred G. Paavola, D.Sc.

**2003 May**  
Ian B. Edwards, D.Sc.  
Michael E. Hanson, D.Sc.

**2004 December**  
General Charles F. Wald, LL.D.

**2005 May**  
James Rosenquist, D.F.A.

**2006 May**  
Steve Swiontek, LL.D.

**2006 December**  
Russell F. Freeman, LL.D.

**2007 May**  
Frank Jennings, LL.D.  
James Meier, D.Sc.

**2007 December**  
John Dean, D. Agr.  
Sheldon Ellig, LL.D.  
Harold Newman, LL.D.

**2008 May**  
Myron Bright, LL.D.  
Dr. Calvin Fercho, D. Sc.

**2008 December**  
Maj. Gen. Darrol G. Schroeder,  
LL.D.  
Maj. Gen. Terry L. Scherling,  
LL.D.

**2009 May**  
Robert Challey, LL.D.

**2010 May**  
Esther Myers, LL.D.

**2010 December**  
Barry Batcheller, D.Sc.

**2012 December**  
Gregg Halverson, D.Agr.

**2016 May**  
Dr. Myron D. Johnsrud, D.Agr.

**2017 May**  
Dr. H. Roald Lund, D.Agr.

**2018 May**  
John R. Klai II, D.Hum.Litt.

**2018 December**  
Spencer Duin, D.Sc.

**2019 December**  
Dr. Berdell Funke, D.Sc.

**2021 May**  
Prakash Mathew, D.Hum.Litt.

**2021 December**  
William Goetz, D.B.

**2022 May**  
Neal Fisher, D.Agr.

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## HONORARY DOCTORATES

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HONORIS CAUSA	
D. Agr.	Agriculture
D.B.	Business
D.F.A.	Fine Arts
D. Hum.Litt.	Humane Letters
D.Mus.	Music
D.Sc.	Science
D.Sc. in Mil. Sci.	Military Science
J.D.	Laws
L.H.D.	Humanities
Litt.D.	Letters
LL.D.	Laws

# THE STAR SPANGLED BANNER

OH, SAY CAN YOU SEE BY THE DAWN'S EARLY LIGHT,  
WHAT SO PROUDLY WE HAILED AT THE TWILIGHT'S LAST GLEAMING?  
WHOSE BROAD STRIPES AND BRIGHT STARS, THRU THE PERILOUS FIGHT,  
O'ER THE RAMPARTS WE WATCHED, WERE SO GALLANTLY STREAMING?  
AND THE ROCKETS' RED GLARE, THE BOMBS BURSTING IN AIR,  
GAVE PROOF THROUGH THE NIGHT THAT OUR FLAG WAS STILL THERE.  
OH, SAY DOES THAT STAR-SPANGLED BANNER YET WAVE  
O'ER THE LAND OF THE FREE AND THE HOME OF THE BRAVE?

BY FRANCIS SCOTT KEY

# THE YELLOW AND THE GREEN

WORDS BY A.E. MINARD  
MUSIC BY DR. C.S. PUTNAM

HO! A CHEER FOR GREEN AND YELLOW  
UP WITH YELLOW AND THE GREEN,  
THEY'RE THE SHADES THAT DECK OUR PRAIRIES  
FAR AND WIDE WITH GLORIOUS SHEEN,  
FIELDS OF WAVING GREEN IN SPRINGTIME  
GOLDEN YELLOW IN THE FALL —  
HOW THE GREAT HIGH-ARCHING HEAVEN  
LOOKS AND LAUGHS UPON IT ALL.

**NDSU** NORTH DAKOTA  
STATE UNIVERSITY